

Time Tailor® HD/SD

HD/SD TIME COMPRESSION SYSTEM



- Frame accurate time-reduction
- Delete of unwanted "black-holes"
- Create "black-holes" for commercial overlays
- Time-reduce specific segments & leave others unaltered
- Maintains closed-caption information
- Frame accurate control of source & record units

Time Tailor[®] HD/SD SPECIFICATIONS



Serial Digital Video

Input:	SDI (270 Mb/S Component Serial (SMPTE 259M-C), Optional 360Mb/S Component Serial (SMPTE 259M-D)	75 Ohm, BNC
Buffered Preview Output	Equalized, Reclocked SDI	75 Ohm, BNC
Output	SDI (270 Mb/S Component Serial (SMPTE 259M-C),	75 Ohm, 2 BNC
External Reference Input	300 mVpp, Black Burst	Hi-Z looping, BNC
Signal Level	800 mVpp (nominal)	
Equalization	Auto to 350 meters (8281)	
Quantizing	10 Bits	
Formats	4:3 525/625; 16:9 1080i/29.97Hz, 720p/59.94Hz,	

Analog Component Video (optional module)

Input Y	1 Vpp (including sync)	75 Ohm, BNC
Input (R-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
Input (B-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
Output Y	1 Vpp (including sync)	75 Ohm, BNC
Output (R-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
Output (B-Y)	525 mVpp or 700 mVpp	75 Ohm, BNC
Sampling	13.5 MHz luma, 6.75 MHz color	
Quantizing	10 Bits luma, 10 Bits color	
Bandwidth	6 MHz luma, 3Mhz color	
K-Factor (2T)	1%	
SNR	< 65dB (weighted, 10 KHz to 5 MHz)	
Format	525 line, 625 line	

Analog Composite Video

Input	1 Vpp (including sync)	75 Ohm, BNC
Output	1 Vpp (including sync)	75 Ohm, 2 BNC
Preview Output	1 Vpp (including sync)	75 Ohm, BNC
Sampling	13.5 MHz, 4:2:2	
Quantizing	8+ Bits	
K-Factor (2T)	5.5 MHz	
Diff. Phase	< 1°	
Diff. Gain	< 1%	
Y/C Delay Error	< 10nS (adjustable)	
SNR	> 58 dB (weighted, 10 Khz to 5 MHz)	
Format	525 line - NTSC, 443 625 line - PAL, PAL-N, or SECAM	

Time Tailor for Broadcast, a “Powered by Prime” product. A HD/SD time compression system based on Prime Image’s patented frame accurate time-reduction process and the Fastrack TT control and automation packages. Time Tailor automatically time-compresses programming as it is downloaded and sets up the automation system for insertion of commercial breaks.

Functions supported by Time Tailor Broadcast’s automation package include;

- scheduling of time compression jobs for multiple downloads of different programs,
- automatic launching of scheduled jobs, user selectable control of whether source and record devices are under Time Tailor management,
- time line reporting of processed programming with times and spot durations,
- auto save of report into an automation system.

Prime Image’s **Time Tailor HD/SD for Post-Production** is a feature rich combining the Fastrack TT editing suite, fully automated system designed for cable programmers, broadcasters, content providers, and post-production facilities for editing program and/or segment times to fit into new time slots.

Typically, a first-run broadcast time slot allows 22 to 23-minutes for the actual show, with the remaining time used for commercials, promotional spots and public service announcement. When these shows are re-broadcast as reruns, or in syndication by local, cable or satellite channels, they must run in a 21-minute time slot. Old ways of reducing the time needed to play out a show included editing out scenes, racing through the credits, and playing out the show at a higher than original speed.

Based on Prime Image’s Time Tailor HD/SD’s patented time-reduction process and the Fastrack TT system, Time Tailor Post HD/SD enhanced time reduction beyond the optional five minute SD and 110 seconds HD (per run segment) and removes



Time Tailor[®] HD/SD SPECIFICATIONS



Operation Controls (analog only)

Video Level	±6 dB
Color Level	No Color to +6 dB
Setup Level	±10 IRE
Hue (NTSC only)	±45°
H-Phase Adjust	> ±2 uS
Subcarrier Adjust	>360°
Audio Level	-64 dBm to +16 dBm

AES/EBU Digital Audio

Input	AES/EBU Digital Audio	75 Ohm, BNC
Output	AES/EBU Digital Audio	75 Ohm, BNC
Channels	8	
Sampling	48 KHz (synchronous with Ref Video)	
Equalization	Auto to 100 meters	
Quantizing	20 Bits/Sample	

Analog Audio

Input	0 dBm (clipping occurs at +20 dBm)	600/25K Ohm, Bal/Unbal XLR
Output	0 dBm (clipping occurs at +20 dBm)	600 Ohm, Bal/Unbal XLR
Channels	4 (optional 4 additional channels)	
Sampling	48 KHz	
Quantizing	18 Bits	
Bandwidth	20 Hz to 20 KHz	
SNR	> 96 dB (Relative to +16 dBm)	
THD	.04%	

Environmental

Operating Temperature	+32 F° (0° C) to 113° F (45° C)
Operating Humidity	10% to 95% RH, Non-Condensing
Power Supply (Redundant)	96 - 132 or 185 - 264 VAC, autoranging
Height	5U / 8.75 inches (22.2 cm)
Length	19 inches (48.3 cm)
Depth	19.5 inches (49.5 cm)
Weight	62 lbs (28.1 kg)

video frames automatically and undetectably without comprising the integrity of the program. Time Tailor HD/SD's "micro-editing" provides a faster and less expensive method of this type of content processing. Plus, the final output is a higher quality of media than that which is modified by current methods.

Time Tailor Post HD/SD offers SD support for 525i and 625i standards and HD support for 1080i/29.97 and 720p/59.94 standards.

Time Tailor HD/SD

Prime Image's Time Tailor HD/SD's full digital processing reduces video program run time for the creation of additional time. The patented time reduction process occurs in real-time without pre-recording, pre-processing, or compromising the integrity of the program, and devoid of discernible video or audio effects when used judiciously. The amount of additional time created and the time duration over which it is created is programmable as well as variable.

The Time Tailor HD/SD easily creates up to 30 seconds of additional time in a 20 to 30-minute program. Optional features allow for the creation of as much as five minutes of additional time in SD and 110 seconds in HD. Time Tailor HD/SD continues to report black-hole presence during and following the reduction process.

For more information, please visit us at www.primeimageinc.com or call us at **408.926.5177**.

